

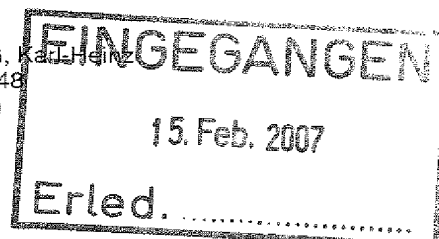
From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

To:

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Date of mailing (*day/month/year*)
08 February 2007 (08.02.2007)

Applicant's or agent's file reference
2004-0302 P

IMPORTANT NOTIFICATION

International application No.
PCT/EP2005/001964

International filing date (*day/month/year*)
24 February 2005 (24.02.2005)

Applicant

OCE PRINTING SYSTEMS GMBH et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

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TRANSLATION**PATENT COOPERATION TREATY****PCT****INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2004-0302 P	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/EP2005/001964	International filing date (day/month/year) 24.02.2005	Priority date (day/month/year) 01.03.2004
International Patent Classification (IPC) or national classification and IPC G03G9/13, G03G9/125, G03G9/18		
Applicant OCE PRINTING SYSTEMS GMBH		

1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.	
2.	This REPORT consists of a total of _____ sheets, including this cover sheet.	
3.	This report is also accompanied by ANNEXES, comprising: a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>7</u> sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input checked="" type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of _____ (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).	
4.	This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application	

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/001964

Box No. 1 Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on translations from the original language into the following language _____ which is the language of a translation furnished for the purposes of:

- ☐ international search (Rule 12.3 and 23.1(b))
☐ publication of the international application (Rule 12.4)
☐ international preliminary examination (Rule 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

☐ the international application as originally filed/furnished

☒ the description:

pages 1-12 _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☒ the claims:

nos. _____ as originally filed/furnished

nos.* _____ as amended (together with any statement) under Article 19

nos.* 1-37 _____ received by this Authority on 16.02.2006 with letter

nos.* _____ received by this Authority on of 13.02.2006

☒ the drawings:

sheets 1/2, 2/2 _____ as originally filed/furnished

sheets* _____ received by this Authority on _____

sheets* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (specify): _____

☐ any table(s) related to sequence listing (specify): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____

☐ the claims, nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (specify): _____

☐ any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/001964

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-37	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-37	NO
Industrial applicability (IA)	Claims	1-37	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
<p>Reference is made to the following document:</p> <p>D1: US 5 364 726 A (MORRISON ET AL) 15 November 1994 (1994-11-15)</p> <p>Document D2: US 4 804 601 (KEITH et al) 14 February 1989 (1989-02-14) was not specified in the international search report. A copy of the document is enclosed.</p> <p>1. The present application does not meet the requirements of PCT Article 33(1), because the subject matter of claim 1 does not involve an inventive step within the meaning of PCT Article 33(3).</p> <p>Document D1 discloses (the references between parentheses relate to said document) the following electrographic printing method.</p> <p>Potential images are developed on a potential image carrier with a liquid developer, comprising photopolymerizable liquid and charged pigments suspended therein. The developing can be carried out by means of an applicator roller (column 24; lines 40-62; see in particular patent claim 1 of the cited D2 (US 4804601), the content of which is incorporated in the content of D1). The pigment particles thereby migrate through the photopolymerizable liquid to the potential images and are deposited together with photopolymerizable liquid at</p>			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/001964

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability:
citations and explanations supporting such statement

these locations on the potential image carrier. Photopolymerizable liquid unavoidably also has to be transferred onto the potential image carrier in the non-image regions, and form a film there. During transfer of the developed image, pigment particles and photopolymerizable liquid are transferred onto the recording medium in the image regions, while only photopolymerizable liquid is transferred in the non-image regions. The transferred photopolymerizable liquid is then photopolymerized by means of UV radiation and in this way is fixed on the recording medium. An image comprising pigment particles, embedded in accordance with the image in a transparent film-forming polymer mass, is then created on the recording medium (column 1, line 52, to column 2, line 8; column 3, lines 7-20; column 7, lines 42-46, 51-56, 63-66; column 8, lines 7-21, 32-47; column 9, lines 44-62; column 11, lines 27-65; column 24, lines 64-68; column 25, line 54 to column 27, line 30).

The method according to claim 1 differs from the method that is known from D1 in that the applicator roller transfers a constant amount of developer per unit of time and per unit of area to the potential image carrier (the method according to claim 1 is therefore novel).

The uniform application of liquid developer to potential image carriers is an essential and known advantage of liquid developing by means of an applicator roller. The method according to patent claim 1 is therefore regarded as an obvious variant of the method according to D1 in which an applicator roller is likewise used, and the useful effect of which is foreseeable. The subject matter of patent claim 1 is therefore not acknowledged as involving an inventive step.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/001964

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

The details specified in the fourth paragraph of patent claim 1, concerning the formation of a developer film, do not represent features that would further define the method according to the application. Rather, they offer an explanation of the way in which the applicator roller mentioned in the preceding paragraph functions. The subject matter of said fourth paragraph is therefore not relevant to the assessment of an inventive step.

2. The subject matter of independent patent claim 37, defining an apparatus whereby the method according to patent claim 1 is carried out, likewise does not involve an inventive step within the meaning of PCT Article 33(3).

3. Dependent claims 2-36 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for an inventive step. All the additional features concern conventional measures that do not require an inventive step on the part of a person skilled in the art.